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lr.py

I chose alpha of 0.009 and 130 iterations (on results2.csv) because these values appear to deliver the most accurate hyperplane.

clustering.py

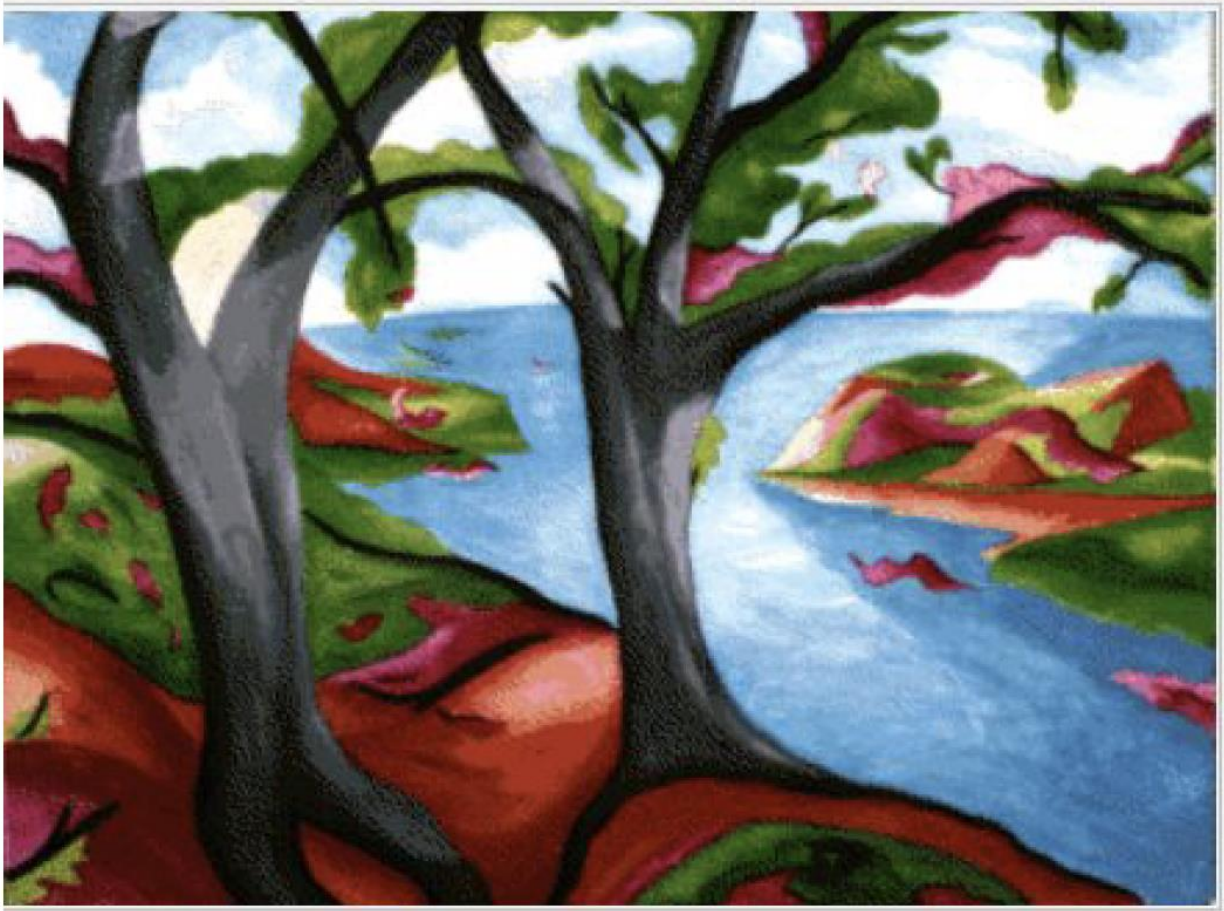
K=3



K=13



K=50



The quantity of important colors segmented increase as K increases. For K=3, the KMeans() function identifies the three most frequent colors in the image.